

Wessendorf

1627

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/144,838A

DATE: 02/17/2000
TIME: 14:50:24

Input Set: I144838A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

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1 <110> APPLICANT: Siani, Michael A.
2 Wilken, Jill
3 Simon, Reyna
4 Kent, Stephen B.H.
5 <120> TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
6 <130> FILE REFERENCE: GRFN-020/01US
7 <140> CURRENT APPLICATION NUMBER: US/09/144,838A
8 <141> CURRENT FILING DATE: 1998-08-31
9 <150> EARLIER APPLICATION NUMBER: US 60/057,620
10 <151> EARLIER FILING DATE: 1997-09-04
11 <160> NUMBER OF SEQ ID NOS: 54
12 <170> SOFTWARE: PatentIn Ver. 2.1
13 <210> SEQ ID NO 1
14 <211> LENGTH: 81
15 <212> TYPE: PRT
16 <213> ORGANISM: Artificial Sequence
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18 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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21 <222> LOCATION: (1)..(8)
22 <223> OTHER INFORMATION: Xaa = Any Amino Acid
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25 <222> LOCATION: (10)
26 <223> OTHER INFORMATION: Xaa = Any Amino Acid
27 <220> FEATURE:
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29 <222> LOCATION: (16)..(21)
30 <223> OTHER INFORMATION: Xaa = Any Amino Acid
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41 <222> LOCATION: (40)..(41)
42 <223> OTHER INFORMATION: Xaa = Any Amino Acid
43 <220> FEATURE:
44 <221> NAME/KEY: SITE

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PATENT APPLICATION US/09/144,838ADATE: 02/17/2000
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 53 <222> LOCATION: (57)..(59)
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 56 <221> NAME/KEY: SITE
 57 <222> LOCATION: (66)..(77)
 58 <223> OTHER INFORMATION: Xaa = Any Amino Acid
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 61 1 5 10 15
 W--> 62 Xaa Xaa Xaa Xaa Xaa Leu Ile Val Met Phe Tyr Xaa Xaa Arg Lys Ser
 63 20 25 30
 W--> 64 Glu Gln Xaa Leu Ile Val Met Xaa Xaa Leu Ile Val Met Xaa Xaa Xaa
 65 35 40 45
 W--> 66 Xaa Xaa Ser Ala Gly Xaa Xaa Cys Xaa Xaa Glu Gln Leu Ile Val
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 69 65 70 75 80
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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/144,838ADATE: 02/17/2000
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Input Set: I144838A.RAW

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 104 <223> OTHER INFORMATION: Xaa = Any Amino Acid
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 119 1 5 10 15
 W--> 120 Tyr Thr Xaa Xaa Xaa Xaa Xaa Leu Ile Val Met Xaa Xaa Xaa Xaa
 121 20 25 30
 W--> 122 Leu Ile Val Met Phe Xaa Xaa Tyr Xaa Xaa Xaa Gly Ser Thr Asn Gly
 123 35 40 45
 W--> 124 Ser Thr Asn Xaa Xaa Cys Xaa Xaa Xaa Xaa Ser Ala Gly Leu Ile Val
 125 50 55 60
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 127 65 70 75 80
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 138 Gln Gln His Pro Pro Pro Val Gln Ile Leu Lys Glu Trp Tyr Pro Thr
 139 20 25 30
 140 Ser Pro Ala Cys Pro Lys Pro Gly Val Ile Leu Leu Thr Lys Arg Gly
 141 35 40 45
 142 Arg Gln Ile Cys Ala Asp Pro Ser Lys Asn Trp Val Arg Gln Leu Met
 143 50 55 60
 144 Gln Arg Leu Pro Ala Ile Ala

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PATENT APPLICATION US/09/144,838ADATE: 02/17/2000
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Input Set: I144838A.RAW

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Gly Tyr Gln Lys Arg Pro Leu Pro Gln Val Leu Leu Ser Ser Trp Tyr
20 25 30
Pro Thr Ser Gln Leu Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys
35 40 45
Arg Gly Arg Gln Val Cys Ala Asp Lys Ser Lys Asp Trp Val Lys Lys
50 55 60
Leu Met Gln Gln Leu Pro Val Thr Ala Arg
65 70
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165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
169 <400> SEQUENCE: 5
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Gln Gln His Pro Pro Pro Val Gln Ile Leu Lys Glu Trp Tyr Pro Thr
20 25 30
Ser Pro Ala Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Arg Gly
35 40 45
Arg Gln Val Cys Ala Asp Lys Ser Lys Asp Trp Val Lys Lys Leu Met
50 55 60
Gln Gln Leu Pro Val Thr Ala Arg
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182 <212> TYPE: PRT
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185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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Gly Asp Thr Leu Gly Ala Ser Trp His Arg Pro Asp Lys Cys Cys Leu
1 5 10 15
Gly Tyr Gln Lys Arg Pro Leu Pro Gln Val Leu Leu Ser Ser Trp Tyr
20 25 30
Pro Thr Ser Gln Leu Cys Pro Lys Pro Gly Val Ile Leu Leu Thr Lys
35 40 45
Arg Gly Arg Gln Ile Cys Ala Asp Pro Ser Lys Asn Trp Val Arg Gln
50 55 60

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PATENT APPLICATION US/09/144,838ADATE: 02/17/2000
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196 65 70
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198 <211> LENGTH: 93
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205 Cys Leu Ser Asp Gly Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys
206 20 25 30
207 Arg Phe Phe Glu Ser His Val Ala Arg Ala Asn Val Lys His Leu Lys
208 35 40 45
209 Ile Leu Asn Thr Pro Asn Cys Ala Leu Gln Ile Val Ala Arg Leu Lys
210 50 55 60
211 Asn Asn Asn Arg Gln Val Cys Ile Asp Pro Lys Leu Lys Trp Ile Gln
212 65 70 75 80
213 Glu Tyr Leu Glu Lys Ala Leu Asn Lys Arg Phe Lys Met
214 85 90
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216 <210> SEQ ID NO 8
217 <211> LENGTH: 67
218 <212> TYPE: PRT
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221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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223 1 5 10 15
224 His Val Ala Arg Ala Asn Val Lys His Leu Lys Ile Leu Asn Thr Pro
225 20 25 30
226 Asn Cys Ala Leu Gln Ile Val Ala Arg Leu Lys Asn Asn Asn Arg Gln
227 35 40 45
228 Val Cys Ile Asp Pro Lys Leu Lys Trp Ile Gln Glu Tyr Leu Glu Lys
229 50 55 60
230 Ala Leu Asn
231 65
232
233 <210> SEQ ID NO 9
234 <211> LENGTH: 91
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
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238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
239 <400> SEQUENCE: 9
Met Lys Val Ser Ala Ala Arg Leu Ala Val Ile Leu Ile Ala Thr Ala
240 1 5 10 15
241 Leu Cys Ala Pro Ala Ser Ala Ser Pro Tyr Ser Ser Asp Thr Thr Pro
242 20 25 30
243 Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys
244

Input Set: I144838A.RAW

Line ? Error/Warning

60 W "N" or "Xaa" used: Feature required
62 W "N" or "Xaa" used: Feature required
64 W "N" or "Xaa" used: Feature required
66 W "N" or "Xaa" used: Feature required
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118 W "N" or "Xaa" used: Feature required
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Original Text

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa C
Xaa Xaa Xaa Xaa Xaa Leu Ile Val Met Phe T
Glu Gln Xaa Leu Ile Val Met Xaa Xaa Leu I
Xaa Xaa Ser Ala Gly Xaa Xaa Cys Xaa Xaa X
Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa X
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys C
Tyr Thr Xaa Xaa Xaa Xaa Xaa Leu Ile V
Leu Ile Val Met Phe Xaa Xaa Tyr Xaa Xaa X
Ser Thr Asn Xaa Xaa Cys Xaa Xaa Xaa Xaa S
Met Xaa Xaa Phe Leu Xaa Xaa Xaa Xaa Xaa A
Xaa Cys